Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	37	(channeliz$5) near4 (network) same (bandwidth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:43
L3	3	"6907468".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:44
L4	2	"6563809".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:44
L5	16	(DS3) same (partiti$5 divid$5 break$8) same (channel$5) same (DS0)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:06
L6	0	(configur$5 program$5 designat$5 allocat$5 chang$5) near6 (DS3) same (partiti$5 divid$5 break$8) same (channel$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:46
L7	11	(configur$5 program$5 designat$5 allocat$5 chang$5) same (DS3) same (partiti$5 divid$5 break$8) same (channel$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:10
L8	1	(input interface) near6 (configur$5 program$5 designat$5 allocat$5 chang$5) same (DS3) same (partiti$5 divid$5 break$8) same (channel$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:14
L9	0	(text$5) near5 (interface) near6 (re$configur$5 re$program$5 re$designat$5 re$allocat$5 chang$5) same (DS3) same (partiti$5 divid$5 break$8) same (channel$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:16
L10	0	(text$5) near5 (interface) near6 (re$configur$5 re$program$5 re$designat$5 re$allocat$5 chang$5) same (DS3) same (partiti$5 divid$5 break$8) same (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:23
L11	0	(text$5) near5 (interface) same (DS3) same (partiti$5 divid$5 break$8) same (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:23
L12	12	(interface) same (DS3) same (partiti$5 divid$5 break$8) same (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:24

L14	271	(DS3) same (NAME INTERFACE) same (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:34
L15	47	(configur$5) same (DS3) same (NAME INTERFACE) same (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:34
L16	14	(defin$5 name) near6 (DS3) same (partiti$5 divid$5 break$8) same (channel$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:17
L17	2	"6650347".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:24
L18	1276	717/168,172,174,171.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:24
L19	0	L18 and (interface) same (DS3) same (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:25
L20	309	L18 and (interface) same (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:25
L21	9	L18 and (interface) same (internal external non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:27
L22	33	L18 and (internal external non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:28
L23	1791	"709"/$.ccls. and (internal external non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:29
L24	0	"709"/$.ccls. and (DS3) near5 (internal external non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:29

L25	0	"709"/$.ccls. and (DS3) near5 (non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:29
L26	0	"370"/$.ccls. and (DS3) near5 (non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:29
L27	27	"370"/$.ccls. and (non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:32
L28	5	"455"/$.ccls. and (non$nested nested) near5 (link channel sub$channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:32
S1	4004	(channel) same (partiti$5 divid$5 break$8) same (channel) same (label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:53
S2	4004	(channel) same (partiti$5 divid$5 break$8) same (channel) same (label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 10:35
S3	28	(channel) same (partiti$5 divid$5 break$8) same (channel) same (label name) and ((digital adj subscriber adj line) (integrated adj services adj digital adj network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 07:49
S4	0	(label name) near5 (channel) near5 (partiti$5 divid$5 break$8) same ((digital adj subscriber adj line) (integrated adj services adj digital adj network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 10:49
S5	4	(label name) near5 (channel) same ((digital adj subscriber adj line) (integrated adj services adj digital adj network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 10:53
S6	27	(configur$5) near5 (router hub gateway network) same (label name) near5 (channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 11:06
S7	2	"6650347".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:54
S8	13	("5630061" | "5809286" | "5838907" | "5887139" | "5999179" | "6009466" | "6095674" | "6145098" | "6151023" | "6154465" | "6205476" | "6212559" | "6229540").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 11:09

S9	34	(defin$5) near15 ((digital adj subscriber adj line) (integrated adj services adj digital adj network)) near15 (sub-channel channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 11:22
S10	104	(configur$5 program$5) near15 ((digital adj subscriber adj line) (integrated adj services adj digital adj network)) near5 (sub-channel channel link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 12:38
S11	8	(configur$5 program$5) near15 ((digital adj subscriber adj line)(integrated adj services adj digital adj network)) same (GUI(graphical adj user adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 12:43
S12	2	"6539077".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:41
S13	82	(configur$5) near5 (channel) same (partiti$5 divid$5 break$8) and ((digital adj subscriber adj line) (integrated adj services adj digital adj network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:19
S14	25	(configur$5) near5 (channel)near5 (partiti$5 divid$5 break$8) and (E1 DS3 E3 OC3 OC12 OC192 OC768)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:08
S15	0	(text) near4 (based driven dependent oriented) same (configur$5) near5 (channel)near5 (partiti$5 divid$5 break$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:35
S16	40	(text) near4 (based driven dependent oriented) near4 (GUI interface) and (E1 DS3 E3 OC3 OC12 OC192 OC768)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:57
S17	5	(text) near4 (based driven dependent oriented) same (configur$5) near5 (channel sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:37
S18	10	(text) near4 (GUI interface) same (configur$5) near5 (channel sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:38
S19	23	(GUI interface) and (level hierarch$7) near8 (configur$5) near5 (network) near5 (channel sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:45

S20	0	(concatenat$5) near6 (network) near5 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:47
S21	4	(network) near5 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:46
S22	0	(concatenat$5) near6 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:47
S23	1	(configur$7) near6 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:01
S24	14	(assign$5) near6 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:54
S25	1	(GUI interface) same (assign$5) near6 (channel) near8 (sub-channel) near8 (id identifier label name)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:54
S26	5	(text-based) near4 (GUI interface) and (E1 DS3 E3 OC3 OC12 OC192 OC768)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:57
S27	0	(configur$7) near6 (E1 DS3 E3 OC3 OC12 OC192 OC768) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:01
S28	5	(E1 DS3 E3 OC3 OC12 OC192 OC768) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:03
S29	0	(assign$5 designat$5 allocat$5 provision$5) near5 (E1 DS3 E3 OC3 OC12 OC192 OC768) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:03
S30	0	(manual$5) near7(assign$5 designat$5 allocat$5 provision$5) near5 (network) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:04

S31	0	(program$6) near7(assign$5 designat$5 allocat$5 provision$5) near5 (network) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:04
S32	17	(assign$5 designat$5 allocat$5 provision$5) near5 (network) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 10:53
S33	0	(syntax) near5 (based driven oriented dependent) near6 (interface GUI administrator) same (channeliz$5) near5 (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:27
S34	29	(interface GUI administrator) same (channeliz$5) near5 (link)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:27
S35	2	"5815505".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:42
S36	30	(router) same (text syntax) near5 (GUI interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 09:54
S37	10	(defin$5) near5 (channel) near5 (sub-channel) near5 (configur$5 interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 10:22
S38	7	(channel) near5 (sub-channel) near5 (configur$5) near5 (method$5 scheme)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 10:18
S39	4	(defin$5) near5 (individual separat$5) near6 (data) near7 (channel) near5 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 10:25
S40	0	(slic$5) near5 (network) near6 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 10:55
S41	6	(slic$5) near5 (channel) near8 (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 12:35

S42	468	"370"/$.ccls. and (assign$5 designat$5 defin$5 dedicat$5 allocat$5) near10 (channel) same (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 12:36
S43	32	"370"/$.ccls. and (label$5 nam$5) near10 (channel) same (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 12:42
S44	6	"370"/$.ccls. and (label$5) near10 (channel) same (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:16
S45	2	"6578084".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:23
S46	2	"6885635".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:00
S47	2	"455"/$.ccls. and (label$5) near10 (channel) same (sub-channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:17
S48	2	"5974238".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:25
S49	0	(channel) same (sub-channel) same (nested) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:41
S50	0	(channelization) near7 (link stream) same (nested) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:41
S51	0	(channelization) near7 (link stream) same (nested continuous) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:42
S52	2	(channelization) same (nested continuous) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:45

S53	932	(network) same (nested continuous) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:46
S54	0	(network) near5 (channelization)same (nested continuous) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:46
S55	12707	(nested continuous) same format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:46
S56	25	(nested continuous) near3 channel$5 near5 format	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 07:46

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1 An empirical study of TCP–IP performance over FR–ATM service interworking
Isil Sebüktekin
December 1998 **International Journal of Network Management**, Volume 8 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(215.57 KB) Additional Information: full citation, abstract, references, index terms

This article outlines some basic performance characteristics of the Transmission Control Protocol–Internet Protocol (TCP–IP) over Frame Relay–Asynchronous Transfer Mode (FR–ATM) Service Interworking. The cconclusions are based on empirical TCP/IP performance test results collected on a FR"ATM Service Interworking testbed, architected with commercially available IP, FR, and ATM equipment. © 1998 John Wiley & Sons, Ltd.

2 Tuning RED for Web traffic
Mikkel Christiansen, Kevin Jeffay, David Ott, F. Donelson Smith
June 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 3
Publisher: IEEE Press
Full text available: pdf(445.28 KB) Additional Information: full citation, abstract, references, citings, index terms

We study the effects of RED on the performance of Web browsing with a novel aspect of our work being the use of a user-centric measure of performance: response time for HTTP request-response pairs. We empirically evaluate RED across a range of parameter settings and offered loads. Our results show that: 1) contrary to expectations, compared to a FIFO queue, RED has a minimal effect on HTTP response times for offered loads up to 90% of link capacity; 2) response times at loads in this range ...

Keywords: HTTP, active queue management, congestion control, experimental methodology, random early detection

3 Tuning RED for Web traffic
Mikkel Christiansen, Kevin Jeffay, David Ott, F. Donelson Smith
August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4
Publisher: ACM Press

Full text available: pdf(256.42 KB) Additional Information: full citation, abstract, references, citings, index terms

We study the effects of RED on the performance of Web browsing with a novel aspect of our work being the use of a user-centric measure of performance - response time for HTTP request-response pairs. We empirically evaluate RED across a range of parameter settings and offered loads. Our results show that: (1) contrary to expectations, compared to a FIFO queue, RED has a minimal effect on HTTP response times for offered loads up to 90% of link caðpacity, (2) response times at loads in this ra ...

4 Using continuations to implement thread management and communication in operating systems

Richard P. Draves, Brian N. Bershad, Richard F. Rashid, Randall W. Dean

September 1991 **ACM SIGOPS Operating Systems Review , Proceedings of the thirteenth ACM symposium on Operating systems principles SOSP '91**, Volume 25 Issue 5

Publisher: ACM Press

Full text available: pdf(1.61 MB) Additional Information: full citation, abstract, references, citings, index terms

We have improved the performance of the Mach 3.0 operating system by redesigning its internal thread and interprocess communication facilities to use *continuations* as the basis for control transfer. Compared to previous versions of Mach 3.0, our new system consumes 85% less space per thread. Cross-address space remote procedure calls execute 14% faster. Exception handling runs over 60% faster.In addition to improving system performance, we have used continuations to generalize many contro ...

5 Test results of the commercial internet multimedia trials

Mark Baugher, Saib Jarrar

January 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 1

Publisher: ACM Press

Full text available: pdf(958.81 KB) Additional Information: full citation, abstract, index terms

This paper reports the test results of applications and services from the Commercial Internet Multimedia Trials. The Trials were a twelve-month effort by three companies to evaluate the product readiness of multimedia applications and services in business environments by supporting multimedia services on production IP networks. The test beds were enabled for IP multicast routing; one of the test beds was enabled for RSVP. The results of our RSVP tests and user surveys are reported, and some of i ...

6 Network management capabilities for switched multi-megabit data service

David M. Piscitello, Patrick J. Sher

April 1990 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 2

Publisher: ACM Press

Full text available: pdf(831.90 KB) Additional Information: full citation, abstract, index terms

This paper discusses network management capabilities for a specific BOC data service, SMDS, and the role that a BOC network providing this service can play in the overall management strategy of a subscriber owned and operated data network. The paper describes user needs for managing the computing equipment and communications services that comprise a data network, and suggests several ways in which a BOC network could offer network management features that complement and are synergistic with the ...

7 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

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html(2.78 KB)

8 Standardization for ATM and related B-ISDN technologies
David Cypher, Shukri Wakid
September 1993 **StandardView**, Volume 1 Issue 1
Publisher: ACM Press
Full text available: pdf(876.56 KB) Additional Information: full citation, references, index terms, review

9 Access to a public switched multi-megabit data service offering
F. R. Dix, M. Kelly, R. W. Klessig
July 1990 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 3
Publisher: ACM Press
Full text available: pdf(887.77 KB) Additional Information: full citation, abstract, index terms

Switched Multi-megabit Data Service (SMDS) is a service concept resulting from work at Bell Communications Research. SMDS is a public, packet switched data service that provides LAN-like performance and features over a metropolitan or wide area. It is targeted at the rapidly emerging need for high performance LAN interconnection and deployment is expected in 1991. To meet the early time objectives of SMDS, it was necessary to define the Subscriber-Network Interface (SNI) and to specify the assoc ...

10 Connecting remote FDDI installations with single-mode fiber, dedicated lines, or SMDS
Lawrence J. Lang, Bellcore, James Watson, Ameritech Services
July 1990 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 3
Publisher: ACM Press
Full text available: pdf(697.29 KB) Additional Information: full citation, abstract, index terms

The Fiber Distributed Data Interface (FDDI) is emerging as an important ANSI standard for high-performance data networking. Many users will install FDDI at different sites, and then want to connect these installations while sacrificing as little performance as possible. This paper discusses several technically practical ways to connect remote FDDI installations, including: using FDDI as a metropolitan area network by extending with single-mode fiber or with a SONET mapping, using bridges or rout ...

11 High availability path design in ring-based optimal networks
Wayne D. Grover
August 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 4
Publisher: IEEE Press
Full text available: pdf(308.91 KB) Additional Information: full citation, references, index terms

12 Xunet 2: lessons from an early wide-area ATM testbed
Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Morgan, Robert C. Restrick
February 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 1
Publisher: IEEE Press
Full text available: pdf(231.69 KB) Additional Information: full citation, references, index terms

Keywords: asynchronous transfer mode, available bit rate, constant bit rate, variable bit rate

13 Status of standards

A. Lyman Chapin

April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(1.79 MB) Additional Information: full citation, index terms

14 Signaling and operating system support for native-mode ATM applications

R. Sharma, S. Keshav

October 1994 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architectures, protocols and applications SIGCOMM '94**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, citings, index terms

Applications communicating over connectionless networks, such as IP, cannot obtain per-connection Quality of Service (QoS) guarantees. In contrast, the connection-oriented nature of the ATM layer and its per-virtual-circuit QoS guarantees are visible to a native-mode ATM application. We describe the design and implementation of operating system and signaling support for native-mode applications, independent of the semantics of the protocol layers or of the signaling protoco ...

15 Mapping irregular applications to DIVA, a PIM-based data-intensive architecture

Mary Hall, Peter Kogge, Jeff Koller, Pedro Diniz, Jacqueline Chame, Jeff Draper, Jeff LaCoss, John Granacki, Jay Brockman, Apoorv Srivastava, William Athas, Vincent Freeh, Jaewook Shin, Joonseok Park

January 1999 **Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)**

Publisher: ACM Press

Full text available: pdf(111.41 KB) Additional Information: full citation, references, citings, index terms

16 Parallel shared-memory simulator performance for large ATM networks

Brian Unger, Zhonge Xiao, John Cleary, Jya-Jang Tsai, Carey Williamson

October 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 10 Issue 4

Publisher: ACM Press

Full text available: pdf(223.11 KB) Additional Information: full citation, abstract, references, citings, index terms, review

A performance comparison between an optimistic and a conservative parallel simulation kernel is presented. Performance of the parallel kernels is also compared to a central-event-list sequential kernel. A spectrum of ATM network and traffic scenarios representative of those used by ATM networking researchers are used for the comparison. Experiments are conducted with a cell-level ATM network simulator and an 18-processor SGI PowerChallenge shared-memory multiprocessor. The resul ...

Keywords: ATM network modeling, conservative synchronization, optimistic synchronization, parallel discrete event simulation, time warp

17 Report of the International Workshop on Distributed Systems: operations & management

April 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(899.31 KB) Additional Information: full citation, index terms

18 Oracle media server: providing consumer based interactive access to multimedia data

Andrew Laursen, Jeffrey Olkin, Mark Porter

May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, citings, index terms

Currently, most data accessed on large servers is structured data stored in traditional databases. Networks are LAN based and clients range from simple terminals to powerful workstations. The user is corporate and the application developer is an MIS professional.With the introduction of broadband communications to the home and better than 100-to-1 compression techniques, a new form of network-based computing is emerging. Structured data is still important, but the bulk of data b ...

19 Attention, intentions, and the structure of discourse

Barbara J. Grosz, Candace L. Sidner

July 1986 **Computational Linguistics**, Volume 12 Issue 3

Publisher: MIT Press

Full text available: pdf(3.01 MB) Additional Information: full citation, abstract, references, citings

Publisher Site

In this paper we explore a new theory of discourse structure that stresses the role of purpose and processing in discourse. In this theory, discourse structure is composed of three separate but interrelated components: the structure of the sequence of utterances (called the linguistic structure), a structure of purposes (called the intentional structure), and the state of focus of attention (called the attentional state). The linguistic structure consists of segments of the discourse into which ...

20 Virtual path control for ATM networks with call level quality of service guarantees

Nikolaos Anerousis, Aurel A. Lazar

April 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 2

Publisher: IEEE Press

Full text available: pdf(446.53 KB) Additional Information: full citation, references, citings, index terms

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